IBM Rational Rhapsody® / BigLever Software Gears™ Bridge
Product Overview

BigLever and IBM have joined forces to integrate IBM's industry-leading Rational toolset into BigLever's Gears Software Product Line Lifecycle Framework™ to support seamless product line engineering across the full systems and software development lifecycle. Current technology and methodology integrations into the BigLever SPL framework for the IBM Rational toolset include DOORS, Rhapsody, Synergy, ClearCase, Build Forge, Rational Publishing Engine, Focal Point and Jazz-based Rational Quality Manager and Rational Team Concert.

Ready for IBM. Rational. software

The IBM Rational Rhapsody/BigLever Software Gears Bridge offers fully integrated model-driven development (MDD) and software product line (SPL) technologies that enable you to easily leverage the benefits of MDD in your product line development lifecycle. With the Rhapsody/Gears Bridge solution, you can utilize: 1) Rhapsody MDD models as first-class reusable assets in the Gears SPL development lifecycle, and 2) Gears SPL constructs as first-class software engineering mechanisms for managing product line diversity in Rhapsody MDD models, in a manner that is orthogonal to the models. More specifically, the Bridge allows you to:
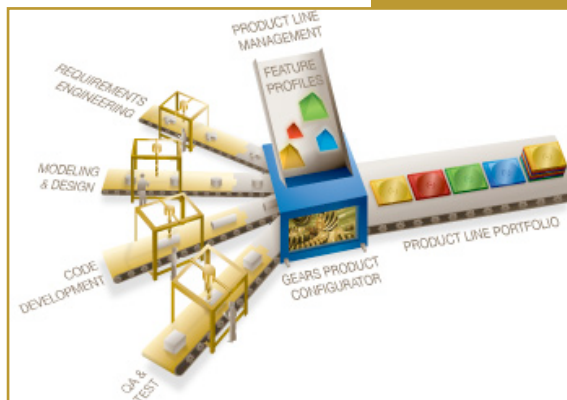

- Use SPL mechanisms to manage the diversity for a full product line in a single, consolidated MDD model, as a highly scalable alternative to cloned copies or one-size-fits-all UML and SysML models.

- Automatically configure Rhapsody model behaviors for different products by making feature choices in a Gears feature profile.

- Convert Rhapsody model elements into Gears variation points to encapsulate the SPL diversity for that model element, without extending or complicating UML and SysML models.

- Use one or more Rhapsody models – either packages or projects – in a larger collection of reusable assets for the full development lifecycle of a Gears SPL portfolio.

- Perform integrated SPL operations – such as product configuration, variation point editing and variation impact analysis – directly from Rhapsody menus.

For more information regarding BigLever Software Gears SPL Lifecycle Framework integrations, see the Solution section of the BigLever website at www.biglever.com or call 512-426-2227.